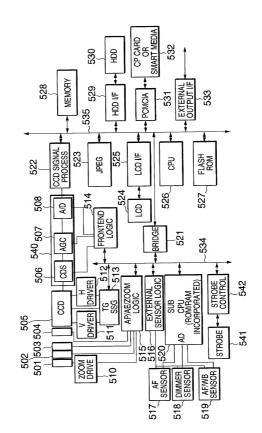
Fig. 1 (PRIOR ART)



VERTICAL CCD 202 Fig. 2 (PRIOR ART) 203 HORIZONTAL CCD PHOTOSENSITIVE PORTION 201 SIGNAL READ PORTION 204 Vout

Fig. 3 (PRIOR ART)

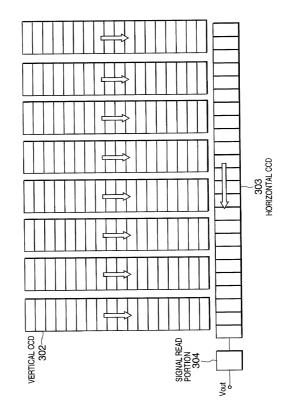
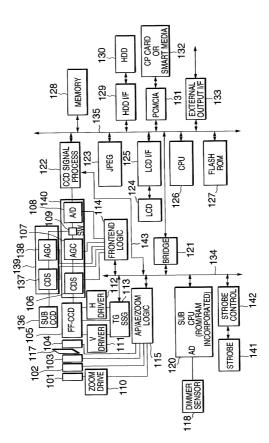
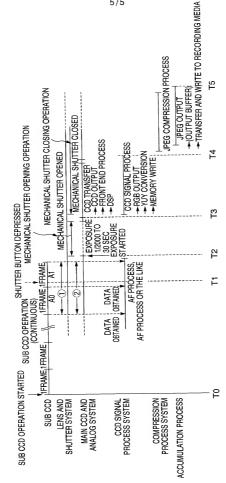


Fig. 4





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① MECHANICAL SHUTTER NORMAL CLOSING

(2) AF OPERATION (LENS)